

DENBIGHSHIRE COUNTY COUNCIL.

14 NOV 1949

A.

ANNUAL REPORT

on the

Health of Denbighshire

for the

YEAR 1948

by

H. ARWEL THOMAS

M.Sc., M.B., Ch.B., D.P.H.,

County Medical Officer.

**16 Grosvenor Road,
Wrexham.**

October, 1949.



PREFACE.

To the Chairman and Members of the County Health Committee.

Mr. Chairman, Ladies and Gentlemen,

I have the honour of presenting my Annual Report for the year 1948.

Once again it is a pleasure to announce yet a lower Infant Mortality Rate than last year, which was the lowest on record. The rate for 1948 was 38.2 as compared with 43.4 in 1947 and 39.0 for the same year in England and Wales.

The position in regard to Diphtheria Immunisation is satisfactory. There were no deaths in the County during the year 1948 from Diphtheria and the notifications were the lowest on record, being 8 compared with 25 in the previous year.

It is gratifying to state that there is a decrease in the Maternal Mortality. During the year there were three deaths from Puerperal causes and no deaths from Puerperal Sepsis. The Mortality Rate was 0.9 per 1000 births, being the lowest figure on record. The next lowest rate was in 1944 when the number of deaths was 3 and the mortality rate was 1.0 per 1000. Last year the mortality rate was 1.4 and the deaths 4.

The National Health Service Act, 1946, came into operation on July 5th, 1948, and the report for the year therefore deals with the Health Services for six months prior and six months subsequent to the appointed day.

On July 5th, 1948, all District Nurse Midwives and District Nurses in the employ of the County and District Nursing Associations were transferred to the staff of the County Health Department. My sincerest thanks are due to Mrs. C. Lloyd, Secretary of the County Nursing Association, and to the Secretaries of the Local District Associations for their helpful co-operation.

I have to thank the Chairman and Members of the Health Committee for their assistance and interest taken in all aspects of the work of the Health Department. My thanks are also due to the Clerk of the County Council and members of his Department for able assistance rendered so willingly at all times.

In conclusion I wish to express my appreciation of the efficient manner in which the members of my staff—Medical, Dental, Nursing and Clerical—have carried out their work during the year.

I have the honour to be,

Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

H. ARWEL THOMAS,

County Medical Officer.

COUNTY OF DENBIGH. TABLE I. Vital Statistics, 1948.

3

Districts	Estimated Population	No. of Births.	Birth-rate.	No. of Infant Deaths	Rate of Infant Mortality.	No. of Deaths	Death Rate
Urban.							
Abergele	7402	137	18.5	2	14.6	76	10.2
Colwyn Bay	23290	295	12.6	9	30.5	391	16.7
Denbigh	8201	148	18.0	6	40.5	78	9.5
Llangollen ..	3009	61	20.2	3	49.1	45	14.9
Llanrwst	2518	50	19.8	3	60.0	60	23.8
Ruthin	3573	53	14.8	—	—	42	11.7
Wrexham	29100	584	20.0	22	37.6	312	11.2
Total Urban	77093	1328	17.2	45	33.8	1004	13.0
Rural.							
Aled	6808	100	14.6	3	30.0	77	11.3
Ceiriog	7140	136	19.0	6	44.1	89	12.4
Hiraeathog ..	5195	86	16.5	2	23.2	65	12.5
Ruthin	9207	150	16.2	5	33.3	94	10.2
Wrexham	62050	1229	19.8	55	44.7	695	11.2
Total Rural	90400	1701	18.8	71	41.7	1030	10.3
Total County	167493	3029	18.0	116	38.2	2024	12.0

STATISTICS.

Live Births:—	Males	Females	Total
Legitimate	1466	1402	2868
Illegitimate	92	69	161
Birth-rate per 1000 of the estimated population		18.0	
Still-births	50	39	89
Rate per 1000 (live and still- births)		28.5	
Deaths	1031	993	2024
Rate per 1000 of the estimated resident population		12.0	
		Rate per 1000 total live and still-births	
Deaths from Puerperal Causes	Deaths		
Puerperal and Post. Abort.			
Sepsis	—	—	
Other Maternal Causes	3	0.9	
Death rate of infants under one year:—			
All infants per 1000 live-births	116	38.2	
Legitimate infants per 1000 legitimate births	113	39.3	
Illegitimate infants per 1000 illegitimate births	3	18.6	

RATES FOR ENGLAND AND WALES.

The Registrar-General furnishes the following rates for England and Wales:—

Birth-rate	20.0
Death-rate	11.6
Infant Mortality	39.0

Births and Birth-rates.

3029 births were registered during the year, as compared with 3340 in 1947. This gives a birth-rate of 18.0 per 1000 population as compared with 20.0 in the previous year. The birth-rate for England and Wales was 20.0.

The following table gives the number of births, deaths and infant deaths for each of the past 10 years:—

TABLE II.

Year	Estimated Population	No. of Births	Birth-rate per 1000	No. of Deaths	Death-rate per 1000	No. of deaths under 1 year of age	Infantile death- rate per 1000 births
1939 ...	156920 ...	2234 ...	14.2 ...	2189 ...	13.6 ...	128 ...	57.2
1940 ...	167540 ...	2395 ...	14.2 ...	2546 ...	15.1 ...	192 ...	78.7
1941 ...	181510 ...	2617 ...	14.4 ...	2375 ...	13.0 ...	180 ...	68.7
1942 ...	175850 ...	2769 ...	15.6 ...	2015 ...	11.4 ...	154 ...	55.6
1943 ...	169250 ...	2939 ...	17.3 ...	2167 ...	12.8 ...	143 ...	48.6
1944 ...	164630 ...	2890 ...	17.5 ...	2033 ...	12.3 ...	128 ...	44.2
1945 ...	162390 ...	2636 ...	16.2 ...	2168 ...	13.4 ...	160 ...	60.6
1946 ...	165020 ...	2952 ...	17.8 ...	2177 ...	13.1 ...	130 ...	44.0
1947 ...	166430 ...	3340 ...	20.0 ...	2227 ...	13.3 ...	145 ...	43.4
1948 ...	167493 ...	3029 ...	18.0 ...	2024 ...	12.0 ...	116 ...	38.2

The following Sanitary Districts show a Birth-rate above that of the County:—

Llangollen	20.2
Wrexham Borough	20.0
Wrexham Rural	19.8
Llanrwst	19.8
Ceiriog	19.0
Abergele	18.5

The following Sanitary Districts show a Birth-rate below that of the County:—

Hiraethog	16.5
Ruthin Rural	16.2
Ruthin Borough	14.8
Aled	14.6
Colwyn Bay	12.6

The Birth-rate for Denbigh Borough was similar to that of the County, viz., 18.0.

Deaths and Death Rates.

There were 2024 deaths registered in the County during the year as compared with 2227 deaths the previous year. This gives a death rate of 12.0 per 1000 population in 1948 as against 13.3 in 1947.

Chief Causes of Death.

The principal causes of death are shown in the following table:—

TABLE III.

Cause of Death.	No. of Deaths.	1947.			1948.		
		Per cent. of Total Deaths.			No. of Deaths.	Per cent. of Total Deaths	
Heart Disease	614	...	27.5	...	569	...	28.1
Cancer	344	...	15.4	...	361	...	17.8
Inter-cranial vascular lesions	320	...	14.3	...	280	...	13.8
Pneumonia	82	...	3.6	...	73	...	3.6
Congenital malformation, birth injuries, infantile diseases, premature births ...	80	...	3.5	...	80	...	3.9
Tuberculosis (all forms)	84	...	3.7	...	71	...	3.5
Bronchitis	120	...	5.3	...	93	...	4.5
Nephritis	66	...	2.9	...	45	...	2.2
Other circulatory diseases	90	...	4.0	...	65	...	3.2
Digestive diseases ...	—	...	—	...	48	...	2.3

The following Sanitary Districts show a Death rate above that of the County, viz.:—

Llanrwst	23.8
Colwyn Bay	16.7
Llangollen	14.9
Hiraethog	12.5
Ceiriog	12.4

The following Sanitary Districts show a Death rate below that of the County, viz.:—

Ruthin Borough	11.7
Aled	11.3
Wrexham Rural	11.2
Wrexham Borough	10.7
Abergele	10.2
Ruthin Rural	10.2
Denbigh	9.5

Heart Disease.

Heart Disease constitutes the principal cause of death. 569 deaths were recorded in 1948 as compared with 614 in 1947, this being a percentage of 28.1 of the total deaths from all causes, and equivalent to a death rate of 3.3 per thousand of the estimated population.

Of this figure of 569 total deaths due to heart disease, 466 or 81.8% occurred amongst persons of 65 years or over.

The following table analyses the deaths from heart disease at various age periods. Figures for previous years are given for the sake of comparison.

TABLE IV.

Year	All ages	0—	5—	15—	45—	65 and upwards
1937 ...	575 ...	1 ...	3 ...	32 ...	121 ...	418
1938 ...	486 ...	1 ...	2 ...	23 ...	110 ...	350
1946 ...	589 ...	— ...	— ...	18 ...	94 ...	477
1947 ...	614 ...	— ...	— ...	21 ...	116 ...	426
1948 ...	569 ...	— ...	— ...	8 ...	95 ...	466

Cancer.

Cancer accounted for 361 deaths during the year as compared with 344 in 1947.

The following table gives the number of deaths from Cancer, together with death-rates in the Administrative County for the past 10 years:—

TABLE V.

Year.	No. of Deaths.		Death-rate per 1000 population.
1939	...	395	1.8
1940	...	295	1.7
1941	...	326	1.7
1942	...	281	1.5
1943	...	318	1.8
1944	...	314	1.8
1945	...	345	2.2
1946	...	343	2.0
1947	...	344	2.0
1948	...	361	2.1

The following table gives the death rates from all causes of Cancer according to Sanitary Districts:—

TABLE VI. (a) Cancer.

District.	Deaths.			Rate per 1000 popula- tion.
	Males.	Females.	Total.	
Urban Districts.				
Abergele	5	11	16	2.1
Colwyn Bay ...	27	43	70	3.0
Denbigh	7	11	13	2.1
Llangollen	3	2	5	1.6
Llanrwst	5	5	10	3.8
Ruthin	3	4	7	1.9
Wrexham	28	23	51	1.7
Rural Districts.				
Aled	10	7	17	2.4
Ceiriog	9	8	17	2.3
Hiraethog	7	6	13	2.5
Ruthin	6	13	19	2.0
Wrexham	63	55	118	1.9
	173	188	361	2.1

TABLE VI. (b) Cancer—Age and Sex Distribution.

Age Group.	Urban.			Rural.			Grand Total.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
Under 1 year	—	—	—	—	—	—	—	—	—
1-5 years	—	—	—	—	—	—	—	—	—
5-15 years	—	—	—	—	—	—	—	—	—
15-45 years	1	4	5	7	6	13	8	10	18
45-65 years	29	36	65	29	32	61	58	68	126
65 years and upwards	48	59	107	59	51	110	107	110	217
	78	99	177	95	89	184	173	188	361

Maternal Mortality.

3 maternal deaths occurred in the County during the year as compared with 5 in the preceding year. This gives a maternal mortality rate of 0.9 per thousand (live and still-births).

Each maternal death is investigated by the County Obstetric Officer, Superintendent Nursing Officer and Health Visitors; confidential reports on the circumstances of each death being forwarded to the Ministry of Health.

TABLE VII. Maternal Mortality.

	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948
County Maternal Mortality Rate	3.4	4.0	3.5	4.8	3.2	2.3	1.0	2.5	2.6	1.4	0.9
Puerperal Sepsis	1	2	3	3	4	2	—	1	2	1	—
Other Puerperal Causes	7	6	6	10	5	3	3	6	6	4	3
Total	8	9	9	13	9	5	3	7	8	5	3

Infant Mortality.

The infant mortality rate for 1948 was 38.2 per 1000 live births as compared with 43.4 in 1947, a reduction of 5.2 per 1000. The rate for England and Wales was 39.0.

The chief causes of the deaths of infants continue to be "prematurity" and the group known as "congenital malformation, birth injury."

TABLE VIII. Causes of Infant Deaths, 1948.

DISEASE.	Districts			
	Urban		Rural	
	Males	Females	Males	Females
Measles	—	—	—	1
Cerebro-Spinal Fever	—	—	1	—
Tuberculosis of the Res. System.	—	—	—	—
Other forms of T.B.	—	1	1	—
Bronchitis	1	—	—	—
Pneumonia	4	8	4	5
Diarrhoea	1	—	3	—
Other digestive diseases	1	—	—	—
Whooping Cough	—	—	—	—
Premature Birth	10	3	9	5
Cong. Mal. Birth. Inj. Inf. Dis. .	5	7	20	15
Other violent causes	2	—	1	—
All other causes	2	—	2	4
Totals	26	19	41	30

COUNTY OF DENBIGH.
TABLE IX. Causes of Death, 1948.

Causes.	Abergele.	Aled.	Ceiriog.	Colwyn Bay.	Denbigh.	Hiraethog.	Llangollen.	Llanrwst.	Ruthin Borough.	Ruthin Rural.	Wrexham Boro'	Wrexham Rural.	Totals.
Typhoid and Paratyphoid Fever .....	..	..	..	..	..	..	..	..	..	..	1	..	1
Cerebro-Spinal Fever .....	..	..	..	1	..	..	..	..	..	..	..	1	2
Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Whooping Cough ....	..	..	..	..	..	..	..	..	..	..	..	2	2
Diphtheria .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculosis of the Resp. Syst.	2	2	5	5	6	..	2	5	2	4	7	23	63
Other Forms of Tuberculosis .....	..	..	..	..	1	..	..	..	..	..	3	4	8
Syphilitic Diseases ...	..	..	..	1	..	..	..	..	..	1	..	1	3
Influenza .....	..	..	..	1	1	..	..	..	..	..	..	2	4
Measles .....	..	..	..	..	..	..	..	..	..	..	..	2	2
Ac. polio-myel and polio. enceph. ....	..	..	..	..	..	..	..	..	..	..	..	..	..
Ac. Inf. enceph.	1	..	..	..	..	..	..	..	..	..	..	..	1
Cancer, Malignant Disease	16	17	17	70	18	13	5	10	7	19	51	118	361
Diabetes	1	..	1	3	..	1	..	..	..	..	3	4	13
Intra. cran. vasc. lesions	12	11	8	59	9	7	8	4	10	16	51	85	280
Heart Disease	13	23	22	141	20	26	12	24	9	23	96	160	569
Other Circ. Dis.	2	3	2	21	2	1	4	2	..	3	5	20	65
Bronchitis	3	..	4	17	2	..	1	4	2	3	9	48	93
Pneumonia	4	3	..	9	3	2	1	3	..	2	12	34	73
Other Resp. Dis. ...	..	..	4	5	1	..	..	2	2	1	4	15	34
Ulcer of stomach or duodenum .....	..	1	2	1	1	1	..	..	..	1	3	8	18
Diarrhoea (under 2 years) .....	..	1	..	..	..	..	..	..	..	..	1	2	4
Appendicitis	2	1	..	..	..	..	..	..	1	..	1	..	5
Other Digve. Dis. ...	1	2	3	8	3	1	1	2	1	..	6	20	48
Nephritis	4	1	4	7	1	1	..	..	3	4	5	15	45
Puer. and post. abort. sepsis .....	..	..	..	..	..	..	..	..	..	..	..	..	..
Other maternal causes .....	..	..	..	..	..	1	1	..	..	..	..	1	3
Prem. Birth .....	..	..	..	1	3	..	1	..	..	1	8	13	27
Con. mal. birth inj. infant dis.	1	2	5	4	2	2	1	1	..	3	6	26	53
Suicide	2	..	..	1	..	2	..	..	..	2	4	6	17
Road Traffic Ac.	1	1	2	4	..	..	..	..	..	1	2	3	14
Other violent causes	3	2	2	8	1	..	1	..	1	..	9	13	40
All other causes	8	7	8	24	4	7	7	3	4	10	25	69	176
All causes	76	77	89	391	78	65	45	60	42	94	312	695	2024

TABLE X.

The percentage of deaths at different age periods are given below:—

Age Periods.	Percentage of Total Deaths.
0— 1	5.7
1— 5	1.1
5—15	0.5
15—45	6.5
45—65	22.8
65 and upwards	63.1

LABORATORY FACILITIES.

The Laboratories undertaking a variety of examinations for the County are:—

The Pathological Laboratory, Emergency Hospital, Wrexham.

Emergency Pathological Laboratory, Conway.

The Pathological Laboratory, Chester Royal Infirmary.

University College of North Wales, Bangor.

Wrexham Joint Fever Hospital.

Welsh National Memorial Association.

Food and Drugs Act.

Analyses are also undertaken by Mr. F. A. Lowe, County Analyst, Chester.

INFECTIOUS DISEASES.

Scarlet Fever.

273 cases of Scarlet Fever were notified in the County during the year, as compared with 149 in the previous year. The largest outbreaks occurred in Wrexham Rural (135 cases), Wrexham Borough (53 cases) and Colwyn Bay (30 cases).

Whooping Cough.

Cases of Whooping Cough notified during the year numbered 906, as compared with 259 cases in 1947. Two deaths only were registered (Wrexham Rural).

Measles (excluding German Measles).

There were 1537 notifications of measles during 1948 as compared with 1317 in the year 1947.

Diphtheria.

8 cases only of Diphtheria were notified during the year, as compared with 25 in the preceding year.

No deaths from Diphtheria were registered during 1948.

Notifications and Deaths from Diphtheria.

TABLE XI.

	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948
Notifications	276	407	396	318	174	186	86	38	25	8
Deaths	11	21	13	13	5	5	1	—	1	—

DIPHTHERIA IMMUNISATION

(National Health Service Act, 1946) (Section 26)

Parents are given the alternative of the immunisation of their children being undertaken by the family doctor or by one of the Authority's Assistant County Medical Officers. In the former case the parents' consent, obtained by the County Medical Officer, is forwarded to the Medical Practitioner who is asked to send particulars to the County Health Department on a prescribed form after immunisation has been completed. The majority of parents prefer having their children immunised at the Welfare Centres and School Clinics or School premises by the Assistant Medical Officer.

Between the period 5th July, 1948, and December 31st, 1948, 2313 were immunised by the Authority's Medical Officers and 174 by general practitioners.

The number of children immunised in the County during the year was:—

1—5 years	2094
Between 5—15 years	171
	<hr/>
	2265
	<hr/>
Repeat doses	1863
	<hr/>

Since 1937, the number of children immunised in the County totalled 50,827.

The following table shows the percentage of children immunised in the several sanitary authorities in the County:—

Urban Districts.	Children 1—5 years.		Children 5—15 years.
Abergele	80.7%	...	93.7%
Colwyn Bay	87.1%	...	95.0%
Denbigh	87.8%	...	94.8%
Llangollen	87.5%	...	98.0%
Llanrwst	98.0%	...	98.9%
Ruthin	89.9%	...	98.5%
Wrexham	69.8%	...	83.5%
Rural Districts.			
Aled	78.6%	...	91.3%
Ceiriog	81.2%	...	92.5%
Hiraethog	92.8%	...	95.0%
Ruthin	84.6%	...	98.8%
Wrexham	79.6%	...	95.0%

VACCINATION AGAINST SMALLPOX.

Vaccination is carried out by General Practitioners. During the period 5th July to 31st December, 1948, 178 children were vaccinated.

INFECTIOUS DISEASES.

TABLE XII. (a).

The following table furnishes particulars respecting the notifications received during 1948, and for comparative purposes the nine preceding years are shewn:—

Disease	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948
Diphtheria	276	407	396	318	174	186	86	38	25	3
Erysipelas	347	71	55	67	62	34	42	37	39	55
Scarlet Fever	20	317	246	227	275	294	276	157	149	273
Enteric Fever (including Typhoid and Paratyphoid)	4	16	16	8	7	6	7	3	2	4
Puerperal Fever .....	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia	24	12	22	19	15	5	15	8	3	7
Cerebro-spinal Fever	11	192	83	32	13	9	9	1	10	10
Acute Poliomyelitis	1	6	...	2	1	7	3	1	25	1
Ophthalmia Neonatorum	11	12	5	2	1	4	3	4	6	...
Pulmonary Tuberculosis	180	218	210	176	209	221	212	214	195	173
Other Forms of Tuberculosis	53	72	64	82	68	59	37	30	41	40
Pneumonia	180	341	278	200	195	149	167	177	197	205
Encephalitis Lethargica	1	1	4	3	...	...	...	...	...	...
Acute Polio-encephalitis .....	...	...	2	1	...	...	...	...	...	...
Dysentery	71	119	22	60	36	60	49	46	2	9
Measles (excl. German Measles) ..	...	2373	1390	888	1403	154	2252	659	1317	1537
Malaria	30	...	...	...	...	...	...	...	...	...
Whooping Cough .....	...	394	746	272	198	429	175	256	259	906
Chickenpox .....	...	...	...	6	...	8	...	...	7	10
Totals	1209	4551	3539	2363	2657	1625	3333	1631	2277	3233

TABLE XII. (b).

The allocation of the several Infectious Diseases to the Sanitary Districts is shown in the following table:—

District.	Pneumonia.	Scarlet Fever.	Ophthalmia Neonatorum.	Erysipelas.	Cerebro-Spinal Fever.	Diphtheria.	Puerperal Pyrexia.	Measles.	Acute Polio-Myelitis.	Dysentery.	Whooping Cough.	Chicken Pox.	Ent. Fev. (Typh. & Paratyphoid)	Pulmonary Tuberculosis.	Other Forms of Tuberculosis
Abergele	8	12	—	9	—	—	—	144	—	—	27	—	2	9	1
Aled	4	10	—	—	1	—	—	21	—	—	3	—	—	6	—
Ceiriog	—	6	—	—	—	—	—	63	1	—	—	—	—	6	1
Colwyn Bay	10	30	—	6	1	—	—	258	—	2	12	—	—	19	3
Denbigh	1	1	—	1	—	1	—	9	—	7	2	—	—	11	10
Hiraeathog	—	10	—	—	—	—	1	31	—	—	27	2	—	5	1
Llangollen	—	10	—	—	—	—	—	18	—	—	—	—	—	2	—
Llanrwst	—	—	—	—	—	—	—	4	—	—	12	8	—	1	—
Ruthin Borough	11	1	—	—	—	—	—	6	—	—	11	—	1	3	1
Ruthin Rural	2	5	—	—	—	—	—	124	—	—	58	—	—	12	1
Wrexham Borough	71	53	—	4	5	—	—	484	—	—	197	—	1	26	4
Wrexham Rural	98	135	—	33	3	7	—	375	—	—	557	—	—	73	13
Totals	205	273	—	55	10	8	7	1537	1	9	906	10	4	173	40

TABLE XIII.

The following table gives the number of deaths from infectious diseases notified during the year, also for comparative purposes, the figures for the previous years:—

Diseases.	1943	1944	1945	1946	1947	1948
Typhoid and Paratyphoid	—	—	2	—	—	1
Measles	2	2	4	—	—	2
Scarlet Fever	1	—	—	2	—	—
Whooping Cough	1	4	1	5	2	2
Diphtheria	5	5	1	—	1	—
Encephalitis Lethargica	—	—	—	—	—	—
Cerebro-spinal Fever	1	2	4	5	1	2
Acute Polio-Encephalitis	1	1	—	—	3	—
Acute Inf. Encephalitis	1	1	2	3	4	1
Tuberculosis, Pulmonary	63	73	72	67	69	63
Tuberculosis, Non-Pulmonary	18	13	14	12	15	8

TUBERCULOSIS.

63 deaths from Pulmonary Tuberculosis were registered during the year as compared with 63 in the previous year. 8 deaths from non-pulmonary causes were recorded, compared with 15 in 1947.

The death rate per million population was 417.9, which is the lowest figure ever recorded in the County.

TABLE XIV. TUBERCULOSIS.

Number of Cases on the County Tuberculosis Register for the years 1937-48.

Year	No. on Register			Deaths			Death Rate per Million of Population	
	Pulm.	Non-Pulm.	Total	Pulm.	Non-Pulm.	Total	County of Denbigh	Wales and Mon.
1937	1199	531	1730	94	14	108	688.1	881
1938	1020	470	1490	79	15	94	599.9	812
1939	986	453	1439	80	14	94	587.3	759
1940	1089	494	1583	81	24	105	626.7	796
1941	1109	527	1636	92	20	112	617.0	794
1942	1189	578	1767	67	19	86	489.1	750
1943	1344	631	1975	63	18	81	478.6	751
1944	1478	672	2150	73	13	86	522.4	715
1945	1593	692	2285	72	14	86	529.6	718
1946	1568	645	2213	67	12	79	479.0	683
1947	1616	650	2266	69	15	84	505.0	693
1948	1591	595	2186	63	8	71	423.5	—

TABLE XV.

Public Health (Tuberculosis) Regulations, 1924.

Active Cases on Registers according to Sanitary Area.

District	No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during the year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Abergele Urban	36	5	5	1	3	—	38	6
<i>Males</i>	45	10	4	—	3	—	46	10
<i>Females</i>	52	27	3	—	1	—	54	27
Aled Rural	55	23	3	—	—	—	58	23
<i>Males</i>	43	10	4	1	21	4	26	7
Ceiriog Rural	29	11	2	—	16	6	15	5
<i>Females</i>	96	43	10	3	39	30	67	16
Colwyn Bay	102	53	9	5	46	37	65	21
<i>Males</i>	24	13	7	2	2	1	29	14
Denbigh Borough	42	8	4	8	3	2	43	14
<i>Females</i>	21	14	4	1	1	—	24	15
Hiraethog	24	11	1	—	—	1	25	10
<i>Males</i>								
<i>Females</i>								

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1924—continued.

District	No. of cases of Tuberculosis on Register at the commencement of the year.		No. of cases notified for the first time under Regulations, 1912, during the year.		No. of cases removed from the Register during the year.		No. of cases remaining on the Register at the end of the year.	
	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary	Pulmonary	Non-Pulmonary
Llangollen Urban	14	2	2	—	1	—	15	2
Females	11	1	—	—	1	—	10	1
Llanrwst	25	8	1	—	1	—	25	3
Females	13	8	—	—	1	—	12	8
Ruthin Borough	9	2	1	1	2	—	8	3
Females	12	5	2	—	—	—	14	5
Ruthin Rural	34	7	9	—	9	—	34	7
Females	60	20	3	1	3	1	60	20
Wrexham Bor.	184	71	14	—	5	—	193	71
Females	130	47	12	4	2	2	140	49
Wrexham Rural	292	145	43	6	21	4	314	147
Females	263	106	30	7	17	4	276	109
Totals	1616	650	173	40	198	92	1591	598

The source or sources from which information as to the above-mentioned cases was obtained are stated below:—

Source of Information.	No. of Cases.	
	Respiratory.	Non-Respiratory.
Death Returns:—		
From Local Registrars	7	1
Transferable deaths from Registrar General	—	—
Posthumous Notifications	4	—
“Transfers” from other areas (other than Transferable Deaths)	—	—
Other sources, if any (specify)	—	—
Total	11	1

CARE OF MOTHERS AND YOUNG CHILDREN (Section 22).

Ante-Natal Clinics.

There are 11 Ante-Natal Clinics established at convenient centres in the County. These are attended by the County Obstetrician, Resident Medical Officer at Trevalyn Maternity Hospital and Assistant County Medical Officers. The County Obstetrician and the Resident Medical Officer are, since 5th July, 1948, in the joint service of the Regional Hospital Board and Local Health Authority. The arrangements are found to be working very satisfactorily, and because of these dual appointments the admission of mothers to Maternity Hospitals and to maternity beds in hospitals in the area has raised no difficulty.

Post-Natal Clinics.

Post-Natal cases are usually seen at the Ante-Natal Clinics but in Wrexham, where the number is large, a separate Post-Natal Clinic has been established. This is held weekly.

Young Children.

The Health Visitor is supplied with particulars of notifications of births in her area and all infants are visited as

soon as possible after the 14th day after birth. These visits are continued at regular intervals until the child attains the age of 5 years or attends school.

Dental Treatment.

The dental treatment of expectant and nursing mothers together with the treatment of children under 5 years of age is undertaken by the Senior and Assistant Dental Officers who also undertake the treatment of school children. It is proposed to employ one full-time dentist and one dentist (half-time) for maternity and child welfare work but this has not been possible so far owing to lack of staff. The time devoted to the work has been equivalent to 7/10ths time of a whole-time officer. There are three vacancies for dental officers in the County and no response has been received to advertisements in professional and lay press.

Care of Unmarried Mothers.

Unmarried mothers and/or their children are admitted to suitable homes outside the County by arrangement with the St. Asaph Diocesan Association. During the year 2 mothers were sent to homes under these arrangements, the County Council undertaking the cost of maintenance.

Conference of representatives of the North Wales Counties have met to discuss the question of establishing a hostel for unmarried mothers in North Wales, and it has been decided to open Bersham Hall for the purpose.

TABLE XVII.

Infant Welfare Centres.

	1st Jan. to 4th July.	5th July to 31st Dec.
No. of Centres provided by County Council	19	28
Total No. of attendances:—		
(1) Children under 1 year	8095	14428
(2) Children between 1 and 5 years	2793	5790
No. of children attending Centres for first time:—		
Under 1 year	834	1155
1—5 years	94	185
Ante-Natal and Post-Natal Clinics.		
No. of Clinics provided by County Council	9	11
Total No. of attendances at all Clinics	1165	1135

ANNUAL REPORT OF THE OBSTETRIC SERVICE.**Report of Mr. R. Owen Jones, F.R.C.S.****Clinics.**

2159 cases were examined at the various Clinics.

A separate weekly post-natal clinic is now held at Wrexham.

Trevalyn Manor Maternity Hospital.

There were 1009 admissions in the year.

The maximum number of admissions in a month was 92 (in May).

Maternal Deaths.

There were three maternal deaths, one from Gresford, one from Cwmpennaner and one from Rhos.

The causes were:—

- (1) General septicaemia from a septic throat, followed by birth of twins.
- (2) Ante - partum haemorrhage which required Caesarean hysterectomy.
- (3) Post-partum haemorrhage.

One of the changes following the National Health Service Act is that doctors are to ante-natally examine their own cases. It was, therefore, anticipated that there would be a considerable reduction in clinic attendances. The attendances have not, however, gone down.

REPORT OF SENIOR DENTAL OFFICER.

Dear Dr. Thomas,

I have pleasure in submitting for your consideration my report on the work of dental treatment for Expectant and Nursing Mothers during the year 1948.

Clinics have been held at Wrexham, Ruthin, Denbigh, Cefn, Rhos, Chirk, Llangollen and Llanrwst.

The premises at Cefn have been decorated and an electric engine, pump chair and fountain spittoon installed. Rhos, Denbigh and Colwyn Bay Clinics have also been equipped with pump chair, electric engine and fountain spittoon. Arrangements have been made to decorate Rhos and Denbigh Clinics.

Owing to the shortage of staff it has not been possible to inspect every expectant mother following her first attendance at the Ante-Natal Clinic.

Three-hundred sessions were devoted to this work or 7/10ths of the time of a dental officer.

The number of extractions (2,345) is high and is an average of 8 extractions in respect of each patient receiving dental treatment.

It is gratifying to see a considerable increase in the number of teeth filled. 140 fillings were inserted against 29 during the previous year.

39 children under five years of age were inspected and 22 were made dentally fit.

D. GLEN THOMSON,
Senior Dental Officer.

TABLE XXVIII.
MATERNITY AND CHILD WELFARE
DENTAL SERVICE, 1948.

Children under 5 years of age.

No. referred for treatment	39
No. inspected	35
No. treated	22
No. made fit	22
Extractions temporary teeth	36
General anaesthetic	21
Advice	13
Scaling	1

MATERNITY AND CHILD WELFARE DENTAL SERVICE.

TABLE XIX.

Annual Return of Work January 1st to December 31st, 1948.

	Expectant Mothers.	Nursing Mothers.	Total.
No. referred for treatment	193	104	297
No. accepting treatment	180	104	284
No. completed treatment	107	83	190
No. of attendances for treatment	1236	619	1855
No. of sessions for treatment ...	202	98.5	300.5
No. of broken appointments	254	121	375
Anaesthetics:			
General Anaesthetics	220	112	332
Local Anaesthetics	73	31	104
Extractions	1597	748	2345
Fillings	97	43	140
Dentures fitted	205	99	304
Adjustments	165	81	246
Repairs	2	1	3
Sundries	57	28	85
Advice	119	50	169
Scalings	28	11	39

TABLE XX.

REGISTRATION OF NURSING HOMES

(Sections 187 to 194 of the Public Health Act, 1936).

	Number of Homes.	Number of beds provided for: Maternity. Others.	Total.
Homes first registered during the year	1	6	10
Homes on the register at the end of the year	3	19	170

HEALTH VISITING SERVICE

(Section 24).

Health Visiting in the County is carried out by 13 whole-time Health Visitors. With the exception of 2, they all act also as School Nurses. Each Health Visitor is responsible for all Health Visiting in her area. She visits the homes of all infants as soon as possible after 14 days after birth; attends and assists the Assistant County Medical Officers at the Maternity and Child Welfare Clinics and also attends at Antenatal Clinics. Since July 5th, 1948, she has additional duties in giving advice as to the care of persons suffering from illness and also giving advice as to measures necessary to prevent the spread of infection.

All Health Visitors working in rural and semi-rural areas possess a car.

TABLE XXI.

Summary of Work of Health Visitors.

District		No. of visits to children under 1 year	No. of visits to children 1—5 years	Expectant Mothers	
				First Visits	Total Visits
Rhos and Penycae ...	... ..	742	714	5	12
Rhostyllen, Ruabon, Marchwiel, Isycoed and Abenbury ...	... ..	968	1418	12	22
Coedpoeth, Southsea, New Broughton	.. ..	1071	1761	16	37
Brymbo, Broughton, Summerhill	... ..	698	601	14	27
Llay, Gresford, Rhosrobin	... ..	1575	810	29	35
Llangollen and Cefn	... ..	813	1112	4	4
Abergele and part of Aled	... ..	1065	1134	61	99
Denbigh and part of Aled	... ..	1321	481	—	—
Llanrwst Area	... ..	913	1830	27	38
Llansilin, Chirk and Glynceiriog	... ..	598	1157	2	2
Ruthin Borough, Ruthin Rural and Cerrig	... ..	830	1782	55	95
Borough of Colwyn Bay	... ..	825	291	13	19
Borough of Wrexham	... ..	1971	1770	80	115
Totals	... ..	13390	14861	318	505

HOME NURSING**(Section 25).**

Up to 5th July, 1948, Home Nursing was provided by District Nursing Associations who were all affiliated to the County Nursing Association. On the "Appointed Day," 42 whole-time District Nurse Midwives or Village Nurse-Midwives and 4 District Nurses employed whole-time, were transferred to the Local Health Authority's staff.

Area.	No. of Nurses	Cases attended.:		Visits:	
		General.	Midwifery.	General.	Midwifery.
Western No. 1.					
Abergele	2}	279	33	6364	827
Colwyn Bay	5}				
Western No. 2.					
Aled	4}				
Denbigh	1}				
Hiraethog	2}				
Llanrwst	1}	669	86	10330	1967
Ruthin Borough	1}				
Ruthin Rural	4}				
Eastern No. 1.					
Ceiriog	4}				
Llangollen	1}	1066	171	20167	3271
Wrexham Rural	22}				
Eastern No. 2.					
Wrexham Borough	6	111	93	4419	679

AMBULANCE SERVICE

(Section 27).

Prior to the 5th July, 1948, most of the Ambulance Services in the County were provided by voluntary organisations. Since that date the Service has been run on an agency basis the County Council becoming responsible for all costs including depreciation of the vehicles.

It is proposed to come to some agreement with the Welsh Home Service Ambulance Committee whereby the Committee become responsible on full agency basis for all Ambulances in the County, with the exception of the Colwyn Bay and District Voluntary Motor Ambulance Corps. A separate agreement will be made with the latter on the lines of the agreement with the Welsh Home Service Ambulance Committee.

TABLE XXII.

STATISTICS.

1st January, 1948, to 4th July, 1948.

Name of Ambulance.	No. of cases conveyed.	Total mileage.
Wrexham	5175	47443
Colwyn Bay	242	6895
Denbigh	81	1693
Rhos	479	4322
Oswestry (Denbighshire cases only)	19	905

5th July to 30th December, 1948.

Name of Ambulance.	No. of cases conveyed.	Total mileage.
Abergele	127	7279
Colwyn Bay	419	10482
Colwyn Bay Isolation Hospital .	29	253
Cerrigydruidion	35	2421
Denbigh	103	4893
Llangerniew	18	1046
Llanrwst	29	1350
Ruthin	86	3354
Brymbo	375	6191
Cefn	601	11055
Chirk	225	5879
Llay	341	4258
Rhos	528	6634
Wrexham	2998	28221
Wrexham Isolation Hospital	230	2757
Wrexham E.M.S. Hospitals	499	3793
Totals	6643	99867

SITTING-CASE CAR SERVICE.**5th July, 1948, to 30th December, 1948.**

Arrangements have been made with local car hirers and taxi-drivers to undertake the conveyance of sitting cases on receipt of an authorisation form from the patient's doctor.

Month.	No. of cases conveyed.	Total Mileage
1948.		
July	21	848
August	45	2400
September	102	3482
October	257	8199
November	424	12671
December	488	14255
Totals	1337	41855

It will be seen from the above figures that the cost of the Sitting Case Car Service is rapidly increasing month by month, and consideration will have to be given, if this persists, to the question whether the cost could be reduced by the County possessing its own sitting-case cars for the Service.

It is to be pointed out that Wrexham is a busy hospital centre and caters for patients outside the County boundary. The North Wales Sanatorium, Llangwyfan, and the Denbigh Hospital for Mental and Nervous Diseases are also situated in the County and take in patients from the six North Wales Counties. It is the responsibility of the Local Health Authority in whose area the hospitals are situated to convey patients to their homes, if they are not capable of travelling by public conveyance.

Use is made of the Volunteer Car Pool Service which has been organised in certain parts of the County.

July 4th, 1948, to 30th December, 1948.

Volunteer Car Pool.

No. of cases conveyed	45
Total mileage	2552

PREVENTION OF ILLNESS, CARE AND AFTER-CARE (Section 28).

It is proposed under this Section that the day to day administration of the service for the prevention of illness, care and after-care of sick persons, be administered through District Committees. These committees have not so far been formed.

Tuberculosis.

A Chest Physician is employed as Joint Officer of the Regional Hospital Board and the Local Health Authority. All suspected Pulmonary Tuberculous children found in schools and all contacts are referred to the Physician for examination and report. It is regretted that no response has been received to advertisements for two whole-time Tuberculosis Health Visitors. Visits to the homes of patients have now to be made by the Health Visitors.

Provision of Nursing Equipment.

The Local Health Authority has made arrangements with the British Red Cross Society and the Order of St. John for the supply and loan of equipment from their Depots situated in various centres in the County. The Local Health Authority will become responsible for replacements or any additions required at the respective depots. The charges made to the patients will be the same as the charges made prior to July 5th, 1948, by the Red Cross Society and the Order of St. John.

DOMESTIC HELP

(Section 29).

Previous to 5th July, 1948, the County Council delegated the work in connection with the Home Help Scheme to the County Nursing Association. Subsequently the County Council have directly employed 12 Domestic Helps. 6 of these were employed full-time and 6 part-time.

5th July to
31st Dec., 1948.

No. of applications	38
No. of cases attended by Domestic Helps:	
(a) Maternity	25
(b) General Sickness	13

All applicants for service as Domestic Helps are interviewed by the Superintendent Health Visitor, and if found suitable, their names, with particulars, are entered in the County Register. The arrangements for placing Home Helps in homes where their service will be of greatest benefit takes an appreciable proportion of the Superintendent's time and consideration should be given to the appointment of a Domestic Help Organiser.

MENTAL HEALTH SERVICE.

The Health Committee constitutes a Mental Health Subcommittee which meets quarterly immediately after the meeting of the Health Committee.

Staff.

The County Medical Officer, Deputy County Medical Officer, and all Assistant County Medical Officers undertake the ascertainment of Mental Defectives in the community. All have attended a special Course in Mental Welfare and have been approved for the purpose of examination and ascertainment of defectives with the exception of Dr. Jones Roberts who, however, has attended the Course but approval of the Ministry has not yet been sought in her case.

The Child Guidance Clinic in the County is staffed by a Psychiatrist, Psychologist and Social Welfare Worker, all of whom are attached to the North Wales Hospital for Mental and Nervous Diseases. The Psychiatrist and his staff are also available for consultation in cases of mental ill-health and mental defect.

Persons suffering from mental ill-health are usually referred to the Out-patient Department of the Wrexham Emergency Hospital, where the Psychiatrist holds a weekly out-patient session.

Five part-time Duly Authorised Officers have been appointed. These Officers were, previously to July, 1948, acting as Relieving Officers and, as such, dealt with cases under the Lunacy Act. These Officers now, however, deal with all persons suffering from mental ill-health, including those coming under the Mental Deficiency Acts and also Mental Treatment Act, and every assistance is given them by the Assistant County Medical Officers. The Senior Duly Authorised Officer also acts as Petitioning Officer. The Duly Authorised Officers also act as Mental Social Workers and for the proper understanding and performance of such duties they should attend a special course for Social Workers which is arranged from time to time.

The supervision of patients on trial or on licence from Mental Hospitals and Institutions for mental defectives is undertaken by the Duly Authorised Officers and the Mental Social Workers on the staff of the Denbigh Hospital for Mental and Nervous Diseases.

TABLE XXIII.
MENTAL DEFICIENCY ACTS, 1913-38.

Annual Report, 1st January, 1949.

	M.	F.	T.
(1) Number of Mental Defectives ascertained to be "subject to be dealt with":—			
(a) Under Guardianship (under order):—			
Under 16 years of age	2	—	2
Aged 16 years and over	5	8	13
(b) In "places of safety"	—	—	—
(c) Under Statutory Supervision excluding cases on licence:—			
Under 16 years of age	18	7	25
Aged 16 years and over	43	26	69
(d) Action not yet taken under any of the above headings	—	—	—
(2) Number of Mental Defectives not at present "subject to be dealt with" but for whom Local Health Authority may subsequently become liable	—	—	—
Of whom, number under Voluntary Supervision:—			
Under 16 years	—	—	—
Aged 16 years and over	—	—	—
(3) Number of Mental Defectives receiving training:—			
(a) In day-training centres:—			
Under 16 years of age	—	—	—
Aged 16 years and over	—	—	—
(b) At Home	—	—	—
Total	68	41	109
	—	—	—

(ii) Particulars of Mental Defectives ascertained during the year 1948:—

(1) Ascertainment:—

(a) Cases reported by Local Education Authorities (Section 57, Education Act, 1944):—

(i) Under Section 57 (3) — — —

(ii) Under Section 57 (5) 1 1 2

(b) Other cases reported during 1948 and ascertained to be "subject to be dealt with"

— — —

Total cases ascertained to be "subject to be dealt with during the year

— — —

(c) Other cases reported during 1948 who are not at present "subject to be dealt with" but for whom the Local Health Authority may subsequently become liable

— — —

Total number of cases reported during the year

1 1 2

(2) Disposal of cases reported during the year:—

(a) Cases ascertained to be "subject to be dealt with":—

(i) Admitted to Institutions (by order) ... — 1 1

(ii) Placed under Guardianship (by order) — — —

(iii) Taken to "places of safety" — — —

(iv) Placed under Statutory Supervision ... 1 — 1

(v) Died or removed from area 1 — 1

(vi) Action not yet taken — — —

(b) Cases not at present "subject to be dealt with":—

(i) Placed under Voluntary Supervision . — — —

(ii) Found not to be defective — — —

(iii) Died or removed from area — — —

(iv) Action not yet taken — — —

	M.	F.	T.
(iii) Number of Mental Defectives under Community Care including Voluntary Supervision or in "Places of Safety" on 1st January, 1948, who have ceased to be under the Community Care or in "Places of Safety" during 1948:—			
(a) Admitted to Institutions	—	1	1
(b) Ceased to be under care	2	5	7
(c) Died or removed from area	8	3	11
Total	10	9	19

TABLE XXIV.

MIDWIFERY SERVICE

(Section 23).

The District Midwives, District Nurse Midwives, Emergency Nurses and part-time Nurses employed by the County and Local Nursing Associations were transferred to the County Health Staff on July 5th, 1948. Most of the District Nurse Midwives have now the use of motor cars for their work.

District Nurse Midwives using their own cars	11
District Nurse Midwives using County Council cars	12
District Nurse Midwives without cars	15

Gas and Air Analgesia.

The number of Midwives in the County trained in the administration of Gas and Air Analgesia is 18.

SUPPLY OF MIDWIVES.

	Domiciliary Midwives	In Institutions	Total
Employed by Local Supervising Authority	46	...	—
Employed by Voluntary Associa- tions:—			
(1) Under arrangement made with Local Supervising Authority	—	...	—
(2) Other	—	44	44
In Private Practice	12	4	16
	—	—	—
	58	48	106
	—	—	—

MIDWIFERY SERVICE.

Particulars of Cases attended by Domiciliary Midwives.

	By salaried Midwives and District Midwives.	By Independent Midwives.
No. of times Medical Aid sent:—		
(a) during pregnancy	34	1
(b) during labour	119	5
(c) during puerperium	37	—
(d) for infants	32	—
No. of still-births notified	11	—
No. of forceps deliveries	50	4
No. of deaths of infants, 1 month	27	2
No. of maternal deaths	2	—
No. of maternity cases	121	10

DOMESTIC HELPS.

No. of Domestic Helps engaged during the year	12
No. of cases attended	38

AFTER-CARE OF TUBERCULOSIS PATIENTS.

No. of cases receiving assistance under the County After-Care Scheme	69
Total amount of grants in 1948	£638 4 5

MIDWIVES ACT, 1918—SECT. 14.

No. of patients for whom medical aid was summoned by a certified midwife	189
Total amount of medical claims	£575 19 11

SUPPLY OF MILK.

The total quantity of milk supplied at cost price during the year to expectant and nursing mothers and young children (otherwise than under the National Milk Scheme) was 17,795 packets (dried milk).

OPHTHALMIA NEONATORUM.

2 cases of Ophthalmia Neonatorum were notified during the year, with the following results:—

Vision unimpaired	2
Patients removed from County	—
Patient died	—

TABLE XXV. Maternity and Child Welfare.

The following table furnishes information for 1948 with regard to the Maternity and Child Welfare Centres established in the County.

Address	Whether Sessions are held weekly, fortnightly or monthly.	Day and Time of Meeting	Average attendance per session (Children).	Number of Children who attended for the first time.	Present arrange- ments for Medi- cal Super- vision
Rossett, Men's Institute	Fortnightly	Monday a.m.	25	47	Assistant
Southsea, Church Institute	"	Monday a.m.	44	68	Med. Officer
Coedpoeth, Penygelli Schools	"	Monday p.m.	50	117	"
Llay, County Clinic	"	Monday p.m.	55	82	"
Glan C'way, Church Institute	"	Monday p.m.	25	27	"
Llanddulas, C.M. Chapel	"	Monday p.m.	23	2	"
Cefn, County Clinic	Weekly	Monday p.m.	42	176	"
Brymbo, Council School	Fortnightly	Tuesday a.m.	24	37	"
Broughton, Congregational Chapel ..	"	Tuesday p.m.	46	89	"
Ruthin, Baptist Chapel	"	Tuesday p.m.	58	80	"
Glynceiriog, Ceiriog Institute	"	Tuesday p.m.	15	20	"
Llanrwst, County Clinic	"	Tuesday a.m.	44	75	"
Llangollen, Welfare House	"	Wednesday p.m.	27	51	"
Rhosrobin, County Clinic	"	Wednesday a.m.	36	63	"
Rhostyllen, Council School	"	Wednesday a.m.	34	69	"
Denbigh, County Clinic	"	Wednesday p.m.	64	157	"
Rhos, Plas-yn-Rhos	Weekly	Wednesday p.m.	54	184	"
Abergele, Church House	Fortnightly	Thursday p.m.	59	141	"
Chirk, Drill Hall	"	Thursday p.m.	30	65	"
Llangern'w, Memorial Hall	Monthly	Thursday p.m.	22	9	"
C'druwion, Presbyterian Chapel	Fortnightly	Wednesday a.m.	8	24	"
Colwyn Bay, Nantyglyn Road	Weekly	Tues., a.m.,	61	206	"
Church Room, Mochdre	Fortnightly	Monday p.m.	23	37	"
Church House, Llysfaen	"	Monday p.m.	24	22	"
Gatefield	Fortnightly	Monday p.m.	55	125	"
Garden Village	"	Monday p.m.	32	39	"
Spring Lodge	"	Thursday p.m.	38	146	"
1 Grosvenor Road	Weekly	Mon., Wed. p.m.	90	504	"

TABLE XXVI. Hospital Accommodation as on 4th July, 1948.

Name of Hospital	BEDS			Child	Others	Total	Additional Beds
	Males	Females					
VOLUNTARY							
Wrexham War Memorial Hospital...	63	48	20	39	170		
Colwyn Bay & West Denbighshire Hospital	21	22	10	7	60		
Denbighshire Infirmary, Denbigh ...	21	21	3	10	55		
Chirk and District Cottage Hospital	12	7	2	11	32		
Llangollen Cottage Hospital ...	2	8	...	...	10	
	119	106	35	67	327		
COUNTY COUNCIL							
Wrexham Emergency	124	101	...	70	295		
Croesnewydd, Wrexham	55	102	5	43	205		
Ruthin ...	16	26	4	6	52		
	195	229	9	119	552		
FEVER HOSPITALS							
Wrexham Joint Fever Hospital	47	47	12	...	106		
Bronnant Isolation Hospital, Colwyn Bay					25		
St. Asaph Joint Isolation Hospital ...					85		
Croesynyd Hospital, Conway	20	20	10	...	50		
Small-pox Hospital (Rhydlog) ...					12		
Abergele Sanatorium ...	52	...	199	...	251		
					529		
COUNTY MATERNITY HOSPITAL.							
Trevalyn Maternity Hospital .....	...	45	...	...	45	
Colwyn Bay Borough Maternity Home ...	...	10	...	...	10	
	...	55	...	...	55	

ANNUAL REPORT OF THE WORK OF THE NORTH WALES SOCIETY FOR THE BLIND IN THE COUNTY OF DENBIGH FOR THE YEAR ENDED 31st MARCH, 1949.

The Society employs three full-time and two part-time Certificated Home Teachers in the County, and at March 31st, 1949, they were responsible to the Society for the care and welfare of 423 Registered Blind Persons. The duties of the Home Teachers include regular and systematic visits, additional visits in urgent and special cases, those in need of hospital treatment, etc., seed potatoes for enthusiastic gardeners and allotment holders. The Home Teachers also include, where necessary, the teaching of Braille and Moon and Pastime occupations.

The Society's Necessitous Grants Committee dealt with 80 applications, submitted by the Home Teachers on behalf of the Blind, all the applications were sanctioned, the total cost amounting to £102, which was paid out of the Society's General Charity Fund. In addition to this sum, the cost of providing White Sticks; Library Books; Equipment and Materials for Home Workers was also borne by the Society. The cost of postage on Library Books both to and from the Blind Person is borne by the Society. Motor Tours were organised, the expenses amounting to £106 being paid by the Society.

The Social Centre at Wrexham continues to give good service weekly to the blind persons in that area. Social Teas, Games, Lectures, etc., are provided free, the whole cost of running this centre is borne by the Society. Another Social Centre has been opened at Colwyn Bay, this is also proving a boon to the blind. Both centres are supervised by a voluntary committee of ladies and gentlemen, the Home Teachers concerned render every possible assistance which ensures the success of these two centres. Motor Tours for the blind are also organised in Wrexham and District, also for the residents at the Llys Onnen Home for the Blind of Abergele and Colwyn Bay.

The Llys Onnen Home continues to function very satisfactorily, the accommodation is fully booked for 8 months of the year, the largest number of holiday residents are from Denbighshire. The Llys Onnen Sub-Committee meets monthly at the Home, and owing to the interest taken by this Committee the blind are assured of a warm welcome and their needs are immediately dealt with.

Electric and Battery Wireless Sets are issued free through the generosity of the British "Wireless for the Blind" Fund. The cost of repairs and replacements such as Batteries and Accumulators is borne by the Society.

A Christmas Gift of 12/6 was presented to each Blind Person in the County; this gift is made possible from the collections made at the various schools of three North Wales Counties. All expenses—printing envelopes and list of previous subscriptions and postages are borne by the Society.

The Agreement made between the Society, the National Institute for the Blind and the National Library for the Blind continues to work amicably and to the benefit of the Society.

The payments of Domiciliary Assistance ceased on July 3rd, 1948, and was taken over by the National Assistance Board. During the three months April 1st to July 3rd, 1949, the sum of £47 was expended in Sick Grants.

The Crosville Motor Services Ltd. issue Bus Vouchers to a large number of Blind Persons in the County. The cost of the Vouchers is 2/6 each and is a boon to the Blind.

There are 4 Permanent Residents from the County at Llys Onnen.

In Denbighshire there are 8 Home Workers, 60 Pastime Workers and 12 in Open Industry.

FOOD AND DRUGS ACT, 1938.

Annual Report for the Year ended 31st December, 1948.

To the Chairman and Members of the Public Health Committee.

Ladies and Gentlemen,

I beg to report that during the year ended the 31st December, 1948, 448 samples of food and drugs were submitted to the Public Analyst for analysis under the above Act, the particulars being as follows:—

TABLE XVIII.

Article.	No. taken.	Formal.	Informal.	Result of Analysis:	
				Genuine.	Not genuine or sub-standard.
Milk:					
Retail	294	294	—	247	47
On delivery	2	1	1	1	1
In transit	7	7	—	—	7
Appeal-to-cow	13	13	—	8	5
Butter	17	—	17	17	—
Cakes	4	1	3	3	1
Dried Milk	1	—	1	1	—
Vinegar	3	—	3	3	—
Cheese	2	—	2	2	—
Pepper	2	—	2	2	—
Baking Powder	1	—	1	1	—
Jam	15	—	15	14	1
Tinned Fish	3	—	3	3	—
Beer	2	—	2	2	—
Whiskey	3	—	3	3	—
Tinned Fruit	1	—	1	1	—
Condensed Milk	3	—	3	3	—
Cake Flour	2	—	2	2	—

Article.	No. taken.	Formal.	Informal.	Result of Analysis:	
				Genuine.	Not genuine or sub- standard.
Mustard	1	—	1	1	—
Sweet Spirit of Nitre	2	—	2	2	—
Cooking Fat	3	—	3	3	—
Potted Meat	1	—	1	1	—
Sausages	17	—	17	17	—
Rum	2	—	2	2	—
Custard Powder	2	—	2	2	—
Salad Dressing	1	—	1	1	—
Gelatine	2	—	2	2	—
Cocoa	1	—	1	1	—
Coffee	2	—	2	2	—
Beilscetti	1	—	1	1	—
Table Jelly	1	—	1	1	—
Marmalade	1	—	1	1	—
Gin	3	—	3	3	—
Wines (Alcoholic)	3	1	2	3	—
Ice Cream	10	—	10	10	—
Sweetening Tablets	3	—	3	2	1
Flour	2	—	2	2	—
Sugar	3	—	3	3	—
Fish Paste	2	—	2	2	—
Bread	1	—	1	1	—
Honey	1	—	1	1	—
Sweets	2	—	2	2	—
Orange Squash	1	—	1	1	—
Tincture of Iodine	1	—	1	1	—
Pastries	2	—	2	2	—
Spaghetti	1	—	1	1	—
Mincemeat	1	—	1	1	—
Totals	448	317	131	385	63

The average percentage of fat, and of solids-not-fat contained in milk sampled during the year were:—

	Fat.	Solids-not-fat.
Eastern Division	3.46%	8.7%
Western Division	3.63%	8.7%
Whole County	3.52%	8.7%
The legal presumptive standard is	3.00%	8.5%

As will be observed from the above Table, 47 retail, 1 “on delivery,” and 7 “in transit” samples of milk were certified by the Public Analyst as being not genuine by reason of their failure to attain the standard of fat, or of solids-not-fat prescribed by the Sale of Milk Regulations. The 47 retail samples described as “not genuine” comprised 40 in which the deficiency involved was too slight to justify drastic action, but in several instances advice was tendered, and a caution was administered where requisite. Three retail samples were eliminated by “appeal-to-cow” samples, and the remaining four were the subject of prosecutions. One informal sample of milk taken “on delivery” was found to contain added water, and an attempt to obtain a formal “follow up” sample from the same source was frustrated, the vendor apparently having emptied the contents of the churn down the side of a field upon our approach. The 7 “not genuine” samples taken “in transit” included 2 which were deficient in fat, and 5 containing added water, and two producers responsible were prosecuted.

In considering the above Table, I would respectfully beg to emphasise the point that the proportion of “not genuine” milk samples as shown under the various headings should not be accepted as reliable criteria of the actual state of the County milk supply, for these samples represent, in many instances, the result of concentration on certain vendors in consequence of specific complaints, suspicious circumstances, or other information, a course which must, of necessity, distort the normal position.

In addition to the above-mentioned samples of milk submitted to the Public Analyst, 92 informal samples of milk were tested at the Wrexham and Colwyn Bay Offices, on behalf of farmers and dairymen, and also for preliminary information.

The milk supplied to the Children's Homes, County Welfare Establishments, Schools and certain Hospitals in the County was also periodically examined.

Samples of food, other than milk, which were certified as "not genuine" comprised:—

An informal sample of Sweetening Tablets consisting of Saccharin and Dulcin certified as being "not genuine" by reason of the proportions of these ingredients being incorrectly marked on the container.

A Fancy Bun received with a complaint from the private purchaser was found to contain Paraffin Wax, but two official samples of this commodity, obtained from the same source, proved to be genuine.

An informal sample of Apple and Strawberry Jam was 0.9 per cent. deficient in Soluble Solids.

All other samples were certified by the Public Analyst as being genuine and free from all prohibited preservatives and colouring matter.

I again have pleasure in recording my indebtedness to the Clerk of the Council for his learned advice and advocacy, services always generously placed at my disposal throughout the year.

I have the honour to be,

Your obedient Servant,

D. WYNNE GRIFFITH,

Chief Sampling Officer.

16 Woodland Road East,
Colwyn Bay.

Following are particulars of prosecutions instituted or completed during the year:—

Article.	Nature of Offence.	Result.	Fine.	General Costs.	Advocate's Fee.	Total.
			£ s. d.	£ s. d.	£ s. d.	£ s. d.
Out- stand- ing from 1947:						
Milk	Added water	Convicted	10 0 0			
Milk	Added water	Convicted	10 0 0	9 9 0	3 3 0	42 12 0
Milk	Added Water	Convicted	10 0 0			
1948:						
Milk	Deficient in Fat	Dismissed	—	3 7 0		3 7 0
Milk	Deficient in Fat	Convicted	10 0			
Milk	Added water	Convicted	10 0	6 15 0	3 3 0	11 8 0
Milk	Deficient in Fat	Convicted	10 0			

Article.	Nature of Offence.	Result.	Fine.	General Costs.	Advocate's Fee.	Total.
			£ s. d.	£ s. d.	£ s. d.	£ s. d.
Milk	Added Water	Convicted	10 0 0			
Milk	Added Water	Convicted	10 0 0			
Milk	Added Water	Convicted	10 0 0	13 16 0	5 5 0	59 1 0
Milk	Added Water	Convicted	10 0 0			
Milk	Added Water	Dismissed		7 7 0	5 5 0	12 12 0
		Totals ...	£71 10 0	£40 14 0	£16 16 0	£129 0 0

ANNUAL REPORT OF THE COUNTY SANITARY INSPECTOR FOR THE YEAR ENDED 31st DECEMBER, 1948.

I herewith submit the Annual Report on the administration of the Milk (Special Designations) Order, 1936-46 in the County.

Tuberculin Tested Milk.

The number of Licences issued to produce Tuberculin Tested Milk during the year was 356, this being an increase of 46 on the previous year. The percentage increase may be considered as fairly satisfactory, but having regard to the total number of registered milk producers in the County, which is 3,440, greater progress was expected. Much pioneer and educational work has been done in creating a public demand for milk produced from a Tuberculin Tested Herd, and in getting milk Producers to qualify for Licences. I must pay here tribute to the Sanitary Officers of the Local Authorities, the Veterinary Officers and the National Agricultural Advisory Service who, as a team, has given great assistance in this important work. With the impending changes that are to take place in the supervision and control of milk production in the country it is hoped that this co-operation will continue. I am certain that the number of Tuberculin Tested Milk Producers in the County will increase far more rapidly in the near future. Many non-designated milk producers are applying for advice on the reconstruction and adaptation of their premises and good progress is being made in the clean up of dairy herds.

There is, however, much advisory work to be done in improving the methods of milk production. That is from the time the milk leaves the cow until it is offered for sale to the public.

The milking machines are fast becoming part of the standard equipment in dairy farms, which as an economic factor, has many advantages. It has, however, been my experience that the lack of proper attention in the cleaning and sterilisation of the machine has been the cause of unsatisfactory results on milk tests. Although the County Council

insist that a Steam Steriliser is installed before a Tuberculin Tested Licence is granted, I am afraid the regular use is not made of this valuable equipment by many producers.

Accredited Milk.

The number of Accredited Milk Licences issued during the year was 431, this being 19 less than the previous year. The decrease was due to a number having been able to take out a Licence to produce Tuberculin Tested milk.

Pasteurised Milk.

Regular samples are taken from the pasteurising establishments in the County for Methylene Blue and Phosphates tests. The results of the tests proved satisfactory.

The following are particulars of Veterinary Tests of Dairy Cattle, viz. :—

(a) Clinical Examination of Dairy Cattle.

	No. of Herd inspections.	No. of Cattle examined.	No. of Cattle slaughtered
Tuberculin Tested and Certified Herds	563	16020	—
Accredited or Standard Herds	783	20475	18
Non-designated Herds	2559	26552	18

(b) Tuberculin Testing of Herds Licensed to produce Tuberculin Tested and Certified Milk.

No. of Cattle tested 17774

No. of Reactors 87

(c) Tuberculin Milk: Veterinary Investigations.

No. of investigations outstanding from previous year	—
No. of initial reports from Medical Officers of Health	1
No. of herds involved	1
No. of cases of tuberculosis of the udder ...	1
No. of investigations not yet completed	—

Tuberculosis (Attested Herds) Schemes.

No. of Attested Herds	468
No. of Supervised Herds	36

Mastitis.

	Number of Cases.		
	Very marked.	Marked.	Slight.
Tuberculin Tested Herds	1	40	35
Accredited Herds	7	94	130
Non-designated Herds ...	12	132	65

T. HUGHES,

County Sanitary Inspector.

County Offices,
Ruthin.

TABLES

		Page
Table	I Vital Statistics	3
„	II Births and Death Rates	5
„	III Causes of Death	6
„	IV Deaths from Heart Disease ...	7
„	V Deaths from Cancer	8
„	VI(a) Cancer (Sanitary Districts) ...	8
„	VI(b) Cancer (Sanitary Districts)	8
„	VII Maternal Mortality	9
„	VIII Causes of Infant Deaths	10
„	IX Causes of Deaths	11
„	X Deaths at Age Periods	12
„	XI Diphtheria	13
„	XII(a) Infectious Diseases	15, 16
„	XII(b) Infectious Diseases	15, 16
„	XIII Infectious Diseases (Comparative figures)	17
„	XIV Tuberculosis (No. on Register)	18
„	XV Tuberculosis (Sanitary Districts)	19—20
„	XVI Public Health (Tuberculosis Regs, 1930	21—22
„	XVII Clinic Attendances	24

Table XVIII	Dental Service	26
„ XIX	Dental Service—Annual Return	27
„ XX	Registration of Nursing Homes	27
„ XXI	Health Visitors—Summary of Work	29
„ XXII	Ambulance Statistics	32—34
„ XXIII	Mental Deficiency Acts, Annual Report	37—39
„ XXIV	Midwifery Service	39—40
„ XXV	Maternity and Child Welfare (Clinics)	42
„ XXVI	Hospital Accommodation	43
„ XXVII	Venereal Diseases	46
„ XXVIII	Food and Drugs Act	47—48, 51—52

County Health Staff

County Medical Officer:

Dr. H. Arwel Thomas, M.Sc., M.B., Ch.B., D.P.H.

County Obstetric Officer:

Mr. R. Owen Jones, F.R.C.S.

Assistant County Medical Officers:

Dr. T. Kenrick Hughes (Deputy).

Dr. S. Owen Edwards.

Dr. M. Jones Roberts.

Dr. Wm. McKendrick.

Dr. T. P. Edwards.

Senior Dental Officer:

Mr. D. Glen Thomson.

Assistant Dental Officers:

Mr. H. E. Fussell.

Mr. R. A. Rider.

Mr. J. G. Roberts.

Mr. G. H. Craine (Resigned 30/9/48)

Mr. Ross Wallis.

Nursing Staff:

Miss M. E. Thorpe (Superintendent).

Miss M. Williams (Clinic Nurse).

Miss K. Jones (Health Visitor).

Miss E. A. Bodsworth (Health Visitor).

Miss C. J. Thomas (Health Visitor).

Miss M. D. Evans (Health Visitor).

Miss E. Jones (Health Visitor).

Miss M. E. Jones (Health Visitor).

Miss E. M. Tyler (Health Visitor).

- Mrs. D. Williams (Health Visitor).
 Mrs. I. E. Garner (Health Visitor).
 Miss E. Williams (Health Visitor), (Resigned 30/8/48).
 Miss B. Evans (Health Visitor), (Resigned 30/6/48).
 Mrs. E. G. Rees (Health Visitor).
 Mrs. M. Williams, Colwyn Bay (Health Visitor).
 , Mrs. F. V. Ramsay (Health Visitor).
 Mrs. M. Beaton (Health Visitor).
 Miss E. Griffiths (Health Visitor).
 Mrs. L. Warne (School Nurse).
 Miss Martin (School Nurse).
 Mrs. E. A. Forrester Jones (County Midwife).
 Mrs. A. B. Blackwell (County Midwife).
 Mrs. M. E. Mansley (County Midwife).
 Mrs. S. Clayton Williams (County Midwife).
 Mrs. E. M. Thomas (County Midwife).

District Nurses:

- | | |
|------------------------------|------------------------------|
| Mrs. M. B. Ellis, Abergele. | Mrs. N. Crump, Gwersyllt. |
| Miss H. W. Pearse, Brynteg. | Miss G. E. Edwards, |
| Miss Faulkner, Clawddnewydd. | Llanarmon. |
| Miss Shaw, Colwyn Bay. | Miss K. Roberts, Dolwen. |
| Miss Watson, Colwyn Bay. | Mrs. Williams, Llangerniew. |
| Mrs. Cheney, Old Colwyn. | Mrs. N. Roberts, Llangollen. |
| Miss E. A. Beech, Denbigh. | Mrs. Williams, Rhewl. |
| Mrs. Hughes, Ponfadog. | Miss. G. Llewelyn, Llanrwst. |
| Miss F. Rothwell, Gresford. | Miss S. Williams, Bwlchgwyn. |
| Miss B. Edwards, Holt. | Miss F. McLellan, Llay. |
| Miss A. E. Jones, Llysfaen | Miss Huntback, Llay. |
| Miss E. Davies, Llansannan. | Miss M. Jones, Nantglyn. |
| Mrs. Holly, Llansilin. | Miss N. Pritchard, Old |
| Miss Richards, Llanfwrog. | Colwyn. |
| Miss G. Jones, Cerrig. | Miss Edwards, Ruabon. |
| Miss Thomas, Abergele. | Miss M. Williams, Rhos. |
| Mrs. E. Parry, Brynteg. | Miss M. P. Smith, Ruthin. |
| Miss E. Griffiths, Brymbo. | Miss A. Jones, Old Colwyn. |

(District Nurses continued).

Miss Thomas, Cefn.	Mrs. G. M. Williams,,
Mrs. Edwards, Cefn.	Vroncysyllte.
Mrs. M. Jones, Coedpoeth.	Miss A. Llewelyn, Glan
Miss A. Davies, Trefnant.	Conway
Mrs. M. Taylor, Rhostyllen.	Miss D. Flint, Garth.
Miss M. Matthias, Gwersyllt.	

Dental Attendants:

Miss I. M. A. Lee.	Miss E. Bellis.
Mrs. M. Jarvis.	Miss J. H. Sanderson.

Clerical Staff:

Mr. J. T. Pritchard (Assistant Administrative Officer).	
Mr. T. J. Davies (Senior Clerk).	Mrs. H. Charles.
Miss E. Hughes.	Miss M. Whittaker.
Mr. J. E. Evans.	Mr. David Davies,
Mr. Gwilym Davies.	Miss B. Bailey (Commenced 29/8/48)
Mr. W. K. Davies (Resigned 3/7/48).	Miss A. Evans.
Miss D. G. Jones.	Miss R. Onions.
Miss K. Rooney.	Mrs. Storr.



